RoboAcad 2009 Cadet Program Applicant Form
(for high school students only)
June through August 2009

This application is only for high school students wishing to participate in the Robotics Academy Cadet Program hosted by the NASA Ames Research Center at Moffett Field in northern California. This data will *not* be shared with other NASA internship programs.

Principal Requirements

In order to be considered for the program, applicants must meet the following requirements:

- Must be a U.S. Citizen or have a valid Green Card indicating that you are a United States Permanent Resident.

- Must be 16 years of age by June 15, 2009.

- Must be a student at an accredited high school. *If home schooled, please contact us before submitting an application.* (See page 9 for contact information.)

- If accepted, applicant must sign a document verifying that he or she has health insurance or is covered by a parent or legal guardian's health insurance policy.

- A parent or legal guardian must <u>sign</u> and <u>submit</u> this application either by fax or by U.S. mail. (See page 9.)

Desired Qualifications

The ideal candidate will have strong academic achievement in math, science, and technology, and formal experience in the field of robotics.

Eligibility and Contact Information

1. **Student Name:**

   First: _____ Last: _____

2. **Citizenship:**

   If you are a Permanent Resident, then provide the following:

   Card Number: _____ Country of Origin: _____

   If you answered "neither" to this question then STOP. Non-U.S. Citizens and non-Permanent Residents are not eligible for this program.

3. **Age as of June 15, 2009:** _____

4. **Grade Level as of June 15, 2009:** _____

5. **Academic Performance:**

   Overall GPA: _____ Scale: _____

   Check the following box if you do not receive grades:

6. **Parent / Legal Guardian:**

   First: _____ Last: _____

   Relationship: _____

7. **Legal Home Address:**

   Street: _____

   _____

   City: _____ ST: _____ Zip: _____

   Check the following box if the address above is where you will be living during the summer from June–August 2009:

Summer Address: *(if different than legal home address)*

Street: _____

_____

City: _____ ST: _____ Zip: _____

8. **High School Name and Address:**

School Name: _____

Street: _____

_____

City: _____ ST: _____ Zip: _____

9. **Student Email:** Provide an email address that you will check regularly and that will serve as a reliable means of communication before, during, and after the Academy.

Email: _____

10. **Parent Email:** Provide an email address that your parent or legal guardian will check regularly and that will serve as a reliable means of communication during the Academy.

Email: _____

11. **Phone number:** Provide a number(s) that is checked regularly and that can receive messages.

Home: (_____) _____ - _____

Mobile: (_____) _____ - _____

Other: (_____) _____ - _____

Relevant Programs, Skills, and Experience

12. Have you actively participated in any of these robotics programs?
(Check all that apply.)

NASA Ames Robotics alumnus: Year(s) _____

FIRST Robotics:

    Year(s) _____   Location _____   Team # _____

Botball:

    Year(s) _____   Location _____   Team # _____

VEX Robotics:

    Year(s) _____   Location _____   Team # _____

BEST Robotics:

    Year(s) _____   Location _____   Team # _____

Other (Describe):

13. List or describe the skills that you have that you feel would be useful in designing, building, and/or testing a robotic project. (Example: computer skills, programming language experience, computer modeling experience, machine shop experience, materials processing skills such as soldering, DC electronics, etc.)

14. Describe your experience with anything mechanical (robots, vehicles, etc.), including school projects and hands-on experience.

Activities and Recognition

15. **List your extra-curricular activities and/or volunteer work.**

16. **What do you like to do in your spare time?**

17. **List all professional, honor society, and social club memberships, certifications, amateur radio licenses, etc. that you have.**

18. **List all professional, academic, social, and personal awards you have received.**

Short Essay Questions

(We seek quality, not word count.)

19. Why are you interested in joining the NASA Ames Robotics Academy Cadet Program?

20. What do you feel is the toughest problem (engineering, science, math, or any other "problem") you have solved either by yourself or in a team? Describe this problem and how you solved it.

21. **As a member of an engineering team, in general, describe which role you tend to fall into and see yourself in. (Keep in mind, what you *tend* to do and what you *would like* to do may be different.)**

22. **Describe what you feel are your main strength and your main weakness in a team and in relation to others in general.**

References

23. Please list 2 references we can contact that can attest to your academic, technical, and personal accomplishments:

1. Name: _____

    School/Company/Institution: _____

    Address: _____

        City: _____ ST: _____ Zip: _____

    Email: _____

    Phone: (____) _____ - _____

    Title / Relationship: _____

2. Name: _____

    School/Company/Institution: _____

    Address: _____

        City: _____ ST: _____ Zip: _____

    Email: _____

    Phone: (____) _____ - _____

    Title / Relationship: _____

Important!

- Both the student applicant and his or her parent/legal guardian must sign this application.

- The parent/legal guardian must submit this application to the Provost, William Shaw, either via fax or U.S. mail. (Cadet applications will _not_ be accepted via email.)

Student Applicant Signature: _____   Date: _____

Parent/Guardian Signature: _____   Date: _____

Submit completed applications to William Shaw, Provost:

<u>Mail</u>

NASA Ames Robotics Academy

NASA Ames Research Center, Mailstop 226-4

Moffett Field, CA 94035

<u>Fax</u>

(650) 604 - 6485

Please direct all inquiries to William Shaw, Provost:

<u>Phone</u>

(650) 604 - 0857

<u>Email</u>

William.W.Shaw@nasa.gov